

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 3194003553 - PORT IPS

Sample No: VPA049857

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA049857	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	■ 106	---	---	---
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### CONTAMINATION

Water	%	■ 0.157	---	---	---
Silicon	ppm	▲ 14	---	---	---
Sodium	ppm	■ 13	---	---	---
Potassium	ppm	■ <1	---	---	---

### WEAR METALS

PQ		■ 13	---	---	---
Iron	ppm	▲ 256	---	---	---
Copper	ppm	■ 37	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	17	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	41	---	---	---
Phosphorus	ppm	1474	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	290	---	---	---

**Marine International Diesels Inc.**  
3600 HACIENDA BLVD UNIT G  
DAVIE, FL  
US 33314  
Contact: JEF BURKE  
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T:  
F:

### Diagnosis

Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP694356  
**Unique No:** 10649444  
**Signed:** Angela Borella  
**Report Date:** 20 Sep 2023

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## GRAPHS

